

U.S. Patent Application Serial No. 09/819,745
Amendment Under 37 C.F.R. §1.116 dated September 5, 2003
Reply to the Final Rejection of May 6, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 8 (Canceled).

Claim 9 (New): A wavelength control device for a laser device, comprising:

a movable holder, including a piezoelectric element unit and a pulse motor unit, capable of moving an optical component with respect to a laser optical axis to change an incident angle of laser light on a band narrowing optical component; and

a laser controller controlling driving of the piezoelectric element unit to move the optical component to set a center wavelength of the laser light at a target wavelength, and controlling subsequent driving of the piezoelectric element unit or the pulse motor unit to maintain the center wavelength at the target wavelength.

Claim 10 (New): A wavelength control device for a laser device, comprising:

a movable holder, including a piezoelectric element unit and a pulse motor unit, capable of moving an optical component with respect to a laser optical axis to change an incident angle of laser light on a band narrowing optical component; and

a laser controller controlling driving of the piezoelectric element unit to move the optical component to set a center wavelength of the laser light at a target wavelength, and controlling

subsequent driving of the piezoelectric element unit to return to a neutral position,

wherein during the return of the piezoelectric element unit to the neutral position, the laser controller further controls driving of the pulse motor unit to compensate for a positional change of the optical component caused by the return of the piezoelectric element unit to the neutral position to maintain the center wavelength at the target wavelength.

Claim 11 (New): A wavelength control device for a laser device, comprising:

a movable holder, including a piezoelectric element unit and a pulse motor unit, capable of moving an optical component with respect to a laser optical axis to change an incident angle of laser light on a band narrowing optical component; and

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a laser controller controlling, during oscillation stoppage of the laser light, driving of the pulse motor unit to move the optical component to a position that would set a center wavelength of the laser light close to a target wavelength, and after oscillation of the laser light resumes, controlling subsequent driving of the piezoelectric element unit to set the center wavelength of the laser light at the target wavelength.

Claim 12 (New): A wavelength control device for a laser device, comprising:

a movable holder, including a piezoelectric element unit and a pulse motor unit, capable of moving an optical component with respect to a laser optical axis to change an incident angle of laser light on a band narrowing optical component; and

a laser controller controlling, during oscillation stoppage of the laser light, driving of the pulse motor unit to move the optical component to a position that would set a center wavelength of the laser light close to a target wavelength, and after oscillation of the laser light resumes, controlling subsequent driving of the piezoelectric element unit to set the center wavelength of the laser light at the target wavelength and then to return to a neutral position,

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cont. wherein during the return of the piezoelectric element unit to the neutral position, the laser controller further controls driving of the pulse motor unit to compensate for a positional change of the optical component caused by the return of the piezoelectric element unit to the neutral position to maintain the center wavelength at the target wavelength.
